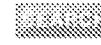



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 Antonio M. Alberti, Sebastiao R. de Aguilar Filho, Anilton S. Garcia
 April 2006 **ANSS '06: Proceedings of the 39th annual Symposium on Sig**
Publisher: IEEE Computer Society
 Full text available: [Pdf](#) (534.38 KB) Additional Information: [full citation](#), [bib](#)

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The intense growth experienced by the Internet on the past decade has switching architectures. Several architectures have been proposed and i (CIOQ) is one of such ...

2 [Queue: Volume 6 Issue 2](#)

Publisher: ACM

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3 [A flexible simulation framework for graphics architectures](#)

J. W. Sheaffer, D. Luebke, K. Skadron

 August 2004 **HWWS '04: Proceedings of the ACM SIGGRAPH/EUROGRAPHICS**
Publisher: ACM

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In this paper we describe a multipurpose tool for analysis of the performance of graphics hardware and software. We are developing Qsilver, a highly configurable tool that uses the Chromium ...

4 [Transparent control independence \(TCI\)](#)

Ahmed S. Al-Zawawi, Vimal K. Reddy, Eric Rotenberg, Haitham H. Akkary

 June 2007 **ISCA '07: Proceedings of the 34th annual international symposium on Computer architecture**
Publisher: ACM

 Full text available: [Pdf](#) (391.64 KB) Additional Information: [full citation](#), [bib](#)

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Superscalar architectures have been proposed that exploit control independence by preserving the work of future misprediction-independence by exploiting control ...

Keywords: branch prediction, checkpoints, control independence, selective speculation

Also published in:

June 2007 **SIGARCH Computer Architecture News** Volume 35 Issue 2

5 Communications of the ACM: Volume 52 Issue 11

November 2009 Communications of the ACM

Publisher: ACM

Full text available:  [Digital Edition](#) ,  [Pdf \(6.64 MB\)](#) Additional Information: [full citation](#), [abstract](#)

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6 Improving Gang Scheduling through job performance analysis and migration

July 2009 **Journal of Parallel and Distributed Computing** Volume 69 Issue 7

Publisher: Elsevier  [Request Permissions](#)

Full text available:  [Pdf \(150.61 KB\)](#) Additional Information: [full citation](#), [abstract](#)

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The OpenMP programming model provides parallel applications a very important feature: the malleability is the capacity of an application to dynamically adapt its parallel structure. We believe that ...

7 Coyote: a system for constructing fine-grain configurable communication abstractions

November 1998 **Transactions on Computer Systems (TOCS)** , Volume 16 Issue 4

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(290.21 KB\)](#) Additional Information: [full citation](#), [abstract](#)

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Communication-oriented abstractions such as atomic multicast, group communication, and mobile computing can simplify the development of complex applications. This paper describes Coyote, a system ...

Keywords: x-kernal, configurable services, customization, event handling, microprotocols, mobile computing, modularity, multicast, protocols, remote

8 Dynamic warp formation: Efficient SIMD control flow on SIMD graph

June 2009 **Transactions on Architecture and Code Optimization (TACO)** Volume 6 Issue 2

Publisher: ACM  [Request Permissions](#)

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Recent advances in graphics processing units (GPUs) have resulted in more programmable and widely available in today's desktop and notebook computers. The SIMD (single instruction, multiple-data) ...

Keywords: GPU, SIMD, control flow, fine-grained multithreading

9 [Particle graphics on reconfigurable hardware](#)

 John S. Beeckler, Warren J. Gross

September 2008 **Transactions on Reconfigurable Technology and Systems**

Publisher: ACM 

Full text available:  Pdf (1.55 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 162, Download Rank: 1000

Particle graphics simulations are well suited for modeling complex phenomena such as fire, smoke, and clouds. They are normally realized in software as part of an application, but the inherent computational complexity ...

Keywords: FPGAs, Reconfigurable computing, particle systems, special effects

10 [HNS: A streamlined hybrid network simulator](#)

 Benjamin Melamed, Shuo Pan, Yoral Wardi

July 2004 **Transactions on Modeling and Computer Simulation (TMC)**

Publisher: ACM 

Full text available:  Pdf (865.29 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 51, Download Rank: 1000

This article was motivated by the need to speed up complex network simulations, where high bandwidth translates into exorbitant numbers of parallel tasks. Since the simulation ...

Keywords: Fluid-flow models, fluid TCP simulation, fluid-flow simulation, streamlining

11 [TinySec: a link layer security architecture for wireless sensor networks](#)

 Chris Karlof, Naveen Sastri, David Wagner

November 2004 **SenSys '04: Proceedings of the 2nd international conference on**

Publisher: ACM 

Full text available:  Pdf (316.88 KB)

Additional Information: [full citation](#), [abstract](#)

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We introduce TinySec, the first fully-implemented link layer security architecture. In this design, we leverage recent lessons learned from design vulnerabilities in IEEE 802.11b ...

Keywords: link layer security, sensor network security

12 [Pomegranate: a fully scalable graphics architecture](#)

Matthew Eldridge, Homan Igehy, Pat Hanrahan

July 2000 **SIGGRAPH '00: Proceedings of the 27th annual conference on**

Publisher: ACM Press/Addison-Wesley Publishing Co. 

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Pomegranate is a parallel hardware architecture for polygon rendering that achieves high rates of pixel rate, texture memory and display bandwidth while maintaining high levels of scalability ...

Keywords: graphics hardware, parallel computing

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